This Page Is Inserted by IFW Operations and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

As rescanning documents will not correct images, please do not report the images to the Image Problem Mailbox.

PTO/SB/05 03-01)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE der the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

UTILITY **PATENT APPLICATION** TRANSMITTAL

Attorney Docket No. DX01040K3B First Inventor Jacqueline C. TIMANS

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Mammalian Cytokines; Related Reagents Title Express Mail Label No. EL 982 851 196 US

(Only for new non-provisional applications under 37 Of R 1.33(b))	Express man 2000 1100 00 3				
APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents.	ADDRESS TO: Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450				
Fee Transmittal Form (e.g., PTO/SB/17) (submit an original and a duplicate for fee processing) Applicant claims small entity status. See 37 CFR 1.27. X Specification [Total Pages 60] (preferred arrangement set forth below) Descriptive title of the invention Cross Reference to Related Applications Statement Regarding Fed sponsored R & D Reference to sequence listing, a table, or a	7 CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a Computer Readable Form (CRF) b. Specification Sequence Listing on: i CD-ROM or CD-R (2 copies); or ii X_ paper (18 pages) cX_ Statements verifying identity of above copies				
computer program listing appendix	ACCOMPANYING APPLICATION PARTS				
 Background of the invention Brief Sumary of the Invention Brief Description of the Drawings (if filed) Detailed Description Claim(s) 	9 Assignment Papers (cover sheet & document(s)) 10 37 CFR 3.73(b) Statement Power of (when there is an assignee) Attorney 11 English Translation Document (if applicable)				
 Abstract of the Disclosure X Drawing(s) (35 U.S.C. 113) [Total Pages 3] 	12 Information Disclosure Copies of IDS Statement (IDS)/PTO-1449 Citations				
5. Oath or Declaration [Total Pages 4]	13 Preliminary Amendment				
a New executed (original or copy) b. X Copy from a prior application (37 CFR 1.63(d))	14. X Return Receipt Postcard (MPEP 503) (Should be specifically itemized)				
(for continuation/divisional with Box 18 completed)	15 Certified Copy of Priority Document(s) (if foreign priority is claimed)				
i. <u>DELETION OF INVENTOR(S)</u> Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).	16 Nonpublication Request under 35 U.S.C. 122(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.				
6 Application Data Sheet. See 37 CFR 1.76	17 Other:				
18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:					
19. CORRESPON	DENCE ADDRESS				
X Customer Number or Bar Code Label	or Correspondence address below:				
28008	DNAX Research, Inc. 901 California Ave. Palo Alto, CA 94304 Telephone: (650) 496-6400 Facsimile: (650) 496-1200				
Name (Print/Type) Sheela Mohan-Peterson, Reg. No. 41,201	,				

Name (Print/Type)	Sheela Mohan-Peterson, Reg. No. 41,201		
Signature	Such if h. fik	Date	11-126-2004

U.S. Patent and Trademark Office; U.S. Department of Commerce

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

FEE TRANSMITTAL		Complete if Known		
		Application Number		
for FY 2004		Filing Date	Herewith	
		First Named Inventor	Jacqueline C. TIMANS	
Effective 10/01/2003. Patent fees are subject to annual revision.		Examiner Name		
☐ Applicant claims small entity status. See 37 CFR 1.27		Art Unit		
TOTAL AMOUNT OF PAYMENT	(\$) 0	Attorney Docket No.	DX01040K3B	

METHOD OF PAYMENT (check all that apply)	FEE CALCULATION (continued)
Check Credit Card Other None	3. ADDITIONAL FEES
X Deposit Account:	Large Entity Small Entity Fee Description Fee Paid
Deposit Account Number: 04-1239	Fee Fee Fee
Deposit Account Name: DNAX Research, Inc.	Code (\$) Code (\$)
The Commissioner is authorized to: (check all that apply)	1051 130 2051 65 Surcharge – late filing fee or oath 1052 50 2052 25 Surcharge – late provisional filing fee or
Charge fee(s) indicated below _X_ Credit any overpayments	cover sheet
X Charge any additional fee(s) during the pendency of this	1053 130 1053 130 Non-English specification
application	1812 2,520 1812 2,520 For filing a request for ex parte reexamination
X Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.	1804 920* 1804 920* Requesting publication of SIR prior to
FEE CALCULATION	Examiner action
1. BASIC FILING FEE	1805 1,840* 1805 1,840*Requesting publication of SIR after
Large Entity Small Entity Fee Description Fee Paid	Examiner action
Fee Fee Fee Fee	1251 110 2251 55 Extension for reply within first month
Code (\$) Code (\$)	1252 420 2252 210 Extension for reply within second month
1001 770 2001 385 Utility filing fee 0	1253 950 2253 475 Extension for reply within third month
1002 340 2002 170 Design filing fee	1254 1,480 2254 740 Extension for reply within fourth month
1003 530 2003 265 Plant filing fee	1255 2,010 2255 1,005 Extension for reply within fifth month 1401 330 2401 165 Notice of Appeal
1004 770 2004 385 Reissue filing fee	1401 330 2401 165 Notice of Appeal
1005 160 2005 80 Provisional filing fee	1403 290 2403 145 Request for oral hearing
SUBTOTAL (1) \$ 0	1451 1,510 1451 1,510 Petition to institute a public use proceeding
SUBTOTAL (1) 3 U	1452 110 2452 55 Petition to revive – unavoidable
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE	1453 1,330 2453 665 Petition to revive – unintentional
Fee from	1501 1,330 2501 665 Utility issue fee (or reissue)
Extra Claims Below Fee Paid	1502 480 2502 240 Design issue fee
Total Claims20** = X =	1503 640 2503 320 Plant issue fee
Independent3** = <u>0</u> X =	1460 130 1460 130 Petitions to the Commissioner
Claims Multiple Dependent =	1807 50 1807 50 Processing fee under 37 CFR 1.17(q)
· · ·	1806 180 1806 180 Submission of Information Disclosure Stmt
Large Entity Small Entity Fee Fee Fee Fee Description	8021 40 8021 40 Recording each patent assignment per
Code (\$) Code (\$)	property (times number of properties)
1202 18 2202 9 Claims in excess of 20	1809 770 2809 385 Filing a submission after final rejection
1201 86 2201 43 Independent claims in excess of 3	(37 CFR 1.129(a))
1203 290 2203 145 Multiple dependent claim, if not paid	1810 770 2810 385 For each additional invention to be
1204 86 2204 43 ** Reissue independent claims over original patent	examined (37 CFR 1.129(b))
1205 18 2205 9 ** Reissue claims in excess of 20	1801 770 2801 385 Request for Continued Examination (RCE)
and over original patent	1802 900 1802 900 Request for expedited examination
_	of a design application Other fee (specify)
SUBTOTAL (2) <u>\$</u>	
** or number previously paid, if greater; For Reissues, see above	* Reduced by Basic Filing Fee Paid SUBTOTAL (3) \$ 0

SUBMITTED BY				(Complete (if applicable))
Name (Print/Type)	Sheela Mohan-Peterson	Registration I	Vo. 41,20	1 Telephone 1-650-496-6400
Signature J	ule Arh-Pak			Date 11- feb - 2004

WARNING: Information on this form may become public. Credit card information should not

WARNING: information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any compents on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Attorney Docket: DX01040K3B

PATENT APPLICATION

MAMMALIAN CYTOKINES; RELATED REAGENTS

INVENTORS:

- Jacqueline C. Timans, a citizen of the United Kingdom, residing at 1538 Canna Court; Mountain View, California 94043;
- Stefan Karl-Heinz Pflanz, a citizen of Germany, residing at 1776 California Street #20, Mountain View, CA 94041;
- Robert A. Kastelein, a citizen of the Netherlands, residing at 463 Summit Drive; Redwood City, California 94062;
- J. Fernando Bazan, a citizen of the United States, residing at 426 Waverley Street #6; Palo Alto, California 94301;
- Donna Rennick, as citizen of the United States, residing at 740 Vista Grande, Los Altos, California 94024;
- Rene de Waal Malefyt, a citizen of the Netherlands, residing at 891 Muender Avenue, Sunnyvale, California 94086; and
- Jeanne Cheung, a citizen of the United States, residing at 2311 Carlmont Drive #9, Belmont, California 94002.

"Express Mailing" mailing label number <u>EL 982 851 196 US</u>

Date of Deposit February 11, 2004

I hereby certify that this paper is being deposited with the United States Postal Service "Express Mail Post to Addressee" service under 37 C.F.R. §1.10 on the date indicated above and is addressed to: Mail Stop Patent Application, Commissioner for Patents; P.O. Box 1450, Alexandria, VA 22313-1450.

Assignee:

Schering Corporation, a New Jersey corporation.

Customer No. 28008

DNAX Research, Inc. 901 California Avenue Palo Alto, California 94304-1104

Tel: (650) 496-6400 Fax: (650)496-1200